

ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substitution Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	15	Attorney Docket Number	416272003600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS							
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		Country Code ²	Number ³ -Kind Code ⁴ (if known)				
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SBC	51.	International Search Report mailed on April 13, 2004, for PCT application no. PCT/US03/20052 filed on June 25, 2003, 3 pages	
	52.	International Search Report mailed on June 29, 2004, for PCT application no. PCT/US03/04183 filed on February 12, 2003, 4 pages	
	53.	International Search Report mailed July 8, 2004, for PCT patent application no. PCT/US03/27623 filed on September 4, 2003, 4 pages	
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			First Named Inventor	Marc K. HELLERSTEIN	
			Art Unit	Not Yet Assigned	
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Sheet **1** of **3****Complete If Known**

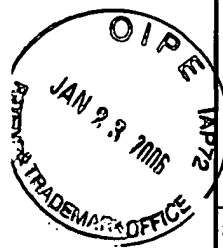
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/SBC/	27.	Australian Patent Office Search Report mailed August 26, 2005, for Singapore patent application no. SG 200500571-5, filed July 25, 2003, 5 pages		
	28.	COLLINS, Michelle L. et al. (Jan. 31, 2003) "Measurement of mitochondrial DNA synthesis in vivo using a stable isotope-mass spectrometric technique," J Appl Physiol, 94: 2203-2211		
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	30.	International Search Report mailed August 1, 2005, for PCT application no. PCT/US2005/08265, filed March 11, 2005, 4 pages		
	31.	LUTTON, C. et al. (1990) "Critical analysis of the Use of 14C-acetate for Measuring In Vivo Rat Cholesterol Synthesis," Reprod Nutr Dev, 30: 71-84		
	32.	OUGUERRAM, K. et al. (Jan. 2002) "A New Labeling Approach Using Stable Isotopes to Study In Vivo Plasma Cholesterol Metabolism in Humans," Metabolism, 51(1): 5-11		
	33.	PATTERSON, Bruce W. et al. (Aug. 1997) "Measurement of Very Low Stable Isotope Enrichments by Gas Chromatography/Mass Spectrometry: Application to Measurement of Muscle Protein Synthesis," Metabolism, 46(8): 943-948		
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	35.	SCHEIBNER, Jurgen et al. (1993) "Bile Acid Synthesis from Newly Synthesized Vs. Preformed Cholesterol Precursor Pools in the Rat," Hepatology, 17: 1095-1102		
↓	36.	Supplementary Partial European Search Report mailed August 17, 2005, for European patent application no. EP 03749756.7, filed September 15, 2003, 6 pages		

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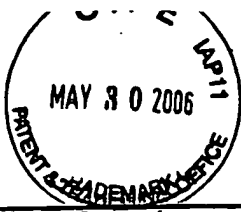
Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	416272003600
Sheet	3	of	3		

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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ALTERNATIVE TO PTO/SB/08a/b (07-05)

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			Application Number	10/526,860	
			Filing Date	September 4, 2003 (PCT/US03/27623)	
			First Named Inventor	Marc K. HELLERSTEIN	
			Art Unit	1648	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	416272003600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/SBC/	1.	US-5,167,948	12-01-1992	Wenzel	
↓	2.	US-6,071,245	06-06-2000	Kohno et al.	
↓	3.	US-6,329,208	12-11-2001	Jones et al.	
↓	4.	US-2006/0029549-A1	02-09-2006	Hellerstein	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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/SBC/	5.	GUO, Z.K. et al., (2000) "De novo lipogenesis in adipose tissue of lean and obese women: application of deuterated water and isotope ratio mass spectrometry," International Journal of Obesity, 24: 932-937	
↓	6.	HELLERSTEIN, Marc K. et al. (1986) "Glycoconjugates as Noninvasive Probes of Intrahepatic Metabolism: Pathways of Glucose Entry into Compartmentalized Hepatic UDP-glucose Pools during Glycogen Accumulation." Proceedings of the National Academy of Sciences of the United States of America 83, Issue 18: 7044-7048	
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↓	8.	HELLERSTEIN, Marc K. et al. (1999) "Mass Isotopomer Distribution Analysis at Eight Years: Theoretical, Analytic, and Experimental Considerations. Am. J. Physiol. 276: E1146-E1170	
↓	9.	HELLERSTEIN, Marc K. (2004) "New stable isotope-mass spectrometric techniques for measuring fluxes through intact metabolic pathways in mammalian systems: introduction of moving pictures into functional genomics and biochemical phenotyping," Metabolic	

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003 (PCT/US03/27623)
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	416272003600

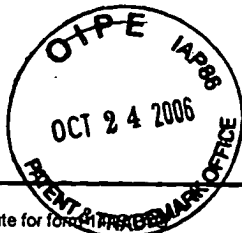
		Engineering, 6: 85-100	
/SBC/	10.	MORSCHES, Bernhard (1976) "Tierexperimentelle Untersuchungen über die Beziehungen zwischen der Hydroxyprolinausscheidung im Urin und den Hydroxyprolinfraktionen im Serum," Der Hautarzt, 27: 234-242 abstract only	
/SBC/	11.	RAVICHANDRAN, L.V. et al., (June 1991) "In vivo labeling studies on the biosynthesis and degradation of collagen in experimental myocardial infarction," Biochemistry Journal, 24(3): 405-414	
/SBC/	12.	SCHEIBNER, Jorgen et al. (1999) "Complex Feedback Regulation of Bile Acid Synthesis in the Hamster: The Role of Newly Synthesized Cholesterol," Hepatology, 30: 230-237	
/SBC/	13.	Supplementary Partial European Search Report mailed March 9, 2006, for European patent application no. EP 03713429.3, filed February 12, 2003, 6 pages	

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			First Named Inventor	Marc K. HELLERSTEIN	
			Art Unit	1648	
			Examiner Name	Not Yet Assigned	
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/SBC/	1.	US-5,026,909	06-25-1991	Zolotarev et al.	
	2.	US-5,665,377	09-09-1997	Gonella et al.	
↓	3.	US-6,117,656	09-12-2000	Seed	
	4.	US-2005/0255509	11-17-2005	Hellerstein et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
/SBC/	5.	SU-968036	10-25-1982	Dombrovski et al.	abstract only	

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/SBC/	6.	COLLINS, M. et al. (Mar. 15, 2000) "A Method for Measuring Mitochondrial Proliferation In Vivo Using 2H20 Incorporation Into Mitochondria DNA," FASEB Journal, 14(4):A620			
	7.	EMKEN, Edward A. et al. (1983) "Incorporation of deuterium-labeled <i>trans</i> - and <i>cis</i> -13-octadeconoic acids in human plasma lipids," Journal of Lipid Research, 24: 34-41			
	8.	HELLERSTEIN, Marc K. (1996) "Synthesis of Fat in Response to Alterations in Diet: Insights from New Stable Isotope Methodologies," Lipids, 31(Supp):S117-S125			
	9.	International Search Report and Written Opinion mailed August 8, 2006, for international application no. PCT/US05/10429, filed March 29, 2005, 15 pages			
	10.	NAGASAKA, Shoichiro et al. (May 1999) "Endogenous Glucose Production and Glucose Effectiveness in Type 2 Diabetic Subjects Derived From Stable-Labeled Minimal Modal Approach," Diabetes, 48: 1054-1056			
	11.	Supplementary Partial European Search Report mailed July 25, 2006, for European patent application no. 02806603, filed October 23, 2002			
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ALTERNATIVE TO PTO/SB/08A/B (04/07)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/526,860		
		Filing Date	September 4, 2003		
		First Named Inventor	Marc K. HELLERSTEIN		
		Art Unit	1648		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	416272003600

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		Number-Kind Code ² (if known)			
/SBC/	1.	US-5,916,537-A	06-29-1999	Kajiwara et al.	
	2.	US-5,924,995-A	07-20-1999	Klein et al.	
	3.	US-6,031,228-A	02-29-2000	Abramson	
	4.	US-6,355,416-B1	03-12-2002	Abramson	
	5.	US-6,642,059-B2	11-04-2003	Chait et al.	
	6.	US-6,835,927-B2	12-28-2004	Becker et al.	
	7.	US-20030119069-A1	06-26-2003	Schneider et al.	
	8.	US-20030211036-A1	11-13-2003	Degani et al.	
	9.	US-6,680,203-B2	01-20-2004	Dasseux et al.	
	10.	US-20040121305-A1	06-24-2004	Wiegand et al.	
	11.	US-20040191916-A1	09-30-2004	Gross et al.	
	12.	US-20050014181-A1	01-20-2005	Galis et al.	
	13.	US-20050092910-A1	05-05-2005	Geromanos et al.	
	14.	US-20050118724-A1	06-02-2005	Bateman et al.	
	15.	US-6,902,719-B2	06-07-2005	Wagner	
	16.	US-6,906,320-B2	06-14-2005	Sachs et al.	
	17.	US-20050153346-A1	07-14-2005	Schneider	
	18.	US-20050175982-A1	08-11-2005	Iwatani et al.	
	19.	US-20050221278-A1	10-06-2005	Iwatani et al.	
	20.	US-20050281745-A1	12-22-2005	Lee et al.	
	21.	US-20060100903-A1	05-11-2006	Lee et al.	
	22.	US-20060105322-A1	05-18-2006	Iwatani et al.	
	23.	US-7,048,907-B2	05-23-2006	Groman et al.	
	24.	US-7,057,168-B2	06-06-2006	Miller et al.	
	25.	US-20060120961-A1	06-08-2006	Schneider et al.	
	26.	US-7,084,396-B2	08-01-2006	Schneider	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² -Number ⁴ -Kind Code ³ (if known)				
	27.	WO-06050130-A2	05-11-2006	Target Discovery Inc.		
	28.	WO-06081521-A2	08-03-2006	The Regents of the University of Colorado		
V	29.	WO-06107814-A2	10-12-2006	Washington University in St. Louis		

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sf-2329176

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				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	416272003600

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/SBC/	30.	LEFEBVRE, P. J. (January 1979). "Naturally Labeled 13C-Glucose: A New Tool to Measure Oxidation Rates of Exogenous Glucose," <i>Diabetes</i> 28(Suppl. 1): 63-65.	
↓	31.	ROYLE, G. T. et al. (1981). "Techniques for Investigating Substrate Metabolism in Patients," <i>Annals of the Royal College of Surgeons of England</i> 63:415-419.	
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/SBC/	1.	US-20050147558-A1	07-07-2005	Hellerstein	
	2.	US-20050202406-A1	09-15-2005	Hellerstein	
	3.	US-20050201937-A1	09-15-2005	Hellerstein	
	4.	US-20050238577-A1	10-27-2005	Hellerstein	
	5.	US-20050249664-A1	11-10-2005	Hellerstein	
	6.	US-20060020440-A1	01-26-2006	Hellerstein	
	7.	US-7,001,587-B2	02-21-2006	Hellerstein	
	8.	US-7,022,834-B2	04-04-2006	Hellerstein	
	9.	US-20060094057-A1	05-04-2006	Hellerstein	
	10.	US-20060204439-A1	09-14-2006	Hellerstein	
	11.	US-20060251576-A1	11-09-2006	Hellerstein	
	12.	US-20060280682-A1	12-14-2006	Hellerstein	

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/SBC/	13.	Maric, D. et al. (2000). "Functional Ionotropic Glutamate Receptors Emerge During Terminal Cell Division and Early Neuronal Differentiation of Rat Neuroepithelial Cells," <i>Journal of Neuroscience Research</i> 61(6):652-662.		
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	15.	U.S. Office Action mailed on July 21, 2006, for U.S. Application No. 10/963,967 filed on October 12, 2004, 7 pages.		
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	18.	U.S. Office Action mailed on June 26, 2006, for U.S. Application No. 10/366,125 filed on February 12, 2003, 11 pages.		
	19.	U.S. Office Action mailed on October 18, 2005, for U.S. Application No. 10/366,125 filed on February 12, 2003, 29 pages.		
	20.	U.S. Office Action mailed on March 30, 2006, for U.S. Application No. 10/664,513 filed on September 16, 2003, 15 pages.		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
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/SBC/	21.	U.S. Office Action mailed on October 20, 2005, for U.S. Application No. 10/664,513 filed on September 16, 2003, 12 pages.	
	22.	U.S. Office Action mailed on August 8, 2006, for U.S. Application No. 10/519,121 filed on December 23, 2004, 8 pages.	
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	24.	U.S. Office Action mailed on May 17, 2007, for U.S. Application No. 10/407,435 filed on April 4, 2003, 15 pages.	
	25.	U.S. Office Action mailed on August 24, 2006, for U.S. Application No. 10/407,435 filed on April 4, 2003, 9 pages.	
	26.	U.S. Office Action mailed on January 24, 2007, for U.S. Application No. 10/701,990 filed on November 4, 2003, 6 pages.	
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	28.	U.S. Office Action mailed on June 9, 2006, for U.S. Application No. 10,872,280 filed on June 17, 2004, 6 pages.	
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		First Named Inventor	Marc K. HELLERSTEIN		
		Art Unit	1648		
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/SBC/	1.	US-20050147558-A1	07-07-2005	Hellerstein	
	2.	US-20050202406-A1	09-15-2005	Hellerstein	
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	9.	US-20060094057-A1	05-04-2006	Hellerstein	
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	11.	US-20060251576-A1	11-09-2006	Hellerstein	
	12.	US-20060280682-A1	12-14-2006	Hellerstein	

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
/SBC/	13.	Maric, D. et al. (2000). "Functional Ionotropic Glutamate Receptors Emerge During Terminal Cell Division and Early Neuronal Differentiation of Rat Neuroepithelial Cells," <i>Journal of Neuroscience Research</i> 61(6):652-662.		
	14.	United States Patent Application No. 11/796,438, filed April 26, 2007 for Hellerstein.		
	15.	U.S. Office Action mailed on July 21, 2006, for U.S. Application No. 10/963,967 filed on October 12, 2004, 7 pages.		
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	17.	U.S. Office Action mailed on March 5, 2007, for U.S. Application No. 10/366,125 filed on February 12, 2003, 6 pages.		
	18.	U.S. Office Action mailed on June 26, 2006, for U.S. Application No. 10/366,125 filed on February 12, 2003, 11 pages.		
	19.	U.S. Office Action mailed on October 18, 2005, for U.S. Application No. 10/366,125 filed on February 12, 2003, 29 pages.		
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Examiner Signature	/Stacy B. Chen/	Date Considered	12/18/2007
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sf-2337586

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	416272003600

/SBC/	21.	U.S. Office Action mailed on October 20, 2005, for U.S. Application No. 10/664,513 filed on September 16, 2003, 12 pages.	
	22.	U.S. Office Action mailed on August 8, 2006, for U.S. Application No. 10/519,121 filed on December 23, 2004, 8 pages.	
	23.	U.S. Office Action mailed on January 31, 2007, for U.S. Application No. 11/078,083 filed on March 11, 2005, 16 pages.	
	24.	U.S. Office Action mailed on May 17, 2007, for U.S. Application No. 10/407,435 filed on April 4, 2003, 15 pages.	
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			First Named Inventor	Marc K. HELLERSTEIN	
			Art Unit	1648	
Examiner Name	S. B. Chen				
Attorney Docket Number	416272003600				
Sheet	1	of	1		

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Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/SBC/	1.	US-5,665,562-A	09-09-1997	Cook	

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/SBC/	2.	International Search Report and Written Opinion mailed October 11, 2007, for PCT Application No. PCT/US05/05660 filed February 22, 2005, 11 pages.	
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